

**Abstract**

A description is given of a passenger detector comprising a flexible support of  
5 insulating material, at least two electrode structures placed on said insulating  
substrate at a certain distance from each other, and a layer of semiconducting  
material placed above said electrode structures in an active zone of the  
detector. In conformity with the invention, said layer of semiconducting material  
has an internal resistance that varies with a deformation of said layer and said  
10 layer of semiconducting material is placed in intimate contact with said  
electrode structures.